

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Joel Kaplan</td> <td>08/13/2012</td> </tr> <tr> <td>Jay N. Zemel</td> <td>06/04/2012</td> </tr> <tr> <td>Barbara Medoff-Cooper</td> <td>05/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Joel Kaplan	08/13/2012	Jay N. Zemel	06/04/2012	Barbara Medoff-Cooper	05/30/2012		
Name	Execution Date										
Joel Kaplan	08/13/2012										
Jay N. Zemel	06/04/2012										
Barbara Medoff-Cooper	05/30/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>The Trustees Of The University of Pennsylvania</td> </tr> <tr> <td>Street Address:</td> <td>3160 Chestnut Street, Suite 200</td> </tr> <tr> <td>City:</td> <td>Philadelphia</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>19104</td> </tr> </table>		Name:	The Trustees Of The University of Pennsylvania	Street Address:	3160 Chestnut Street, Suite 200	City:	Philadelphia	State/Country:	PENNSYLVANIA	Postal Code:	19104
Name:	The Trustees Of The University of Pennsylvania										
Street Address:	3160 Chestnut Street, Suite 200										
City:	Philadelphia										
State/Country:	PENNSYLVANIA										
Postal Code:	19104										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12595755</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12595755						
Property Type	Number										
Application Number:	12595755										
CORRESPONDENCE DATA											
Fax Number: 6104070701 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 610-407-0700 Email: ephelan@ratnerprestia.com Correspondent Name: RatnerPrestia Address Line 1: 1235 Westlakes Drive, Suite 301 Address Line 4: Berwyn, PENNSYLVANIA 19312											
ATTORNEY DOCKET NUMBER:	UOP-439US										
NAME OF SUBMITTER:	Kenneth N. Nigon										
Signature:	/Kenneth N. Nigon/										
Date:	05/21/2013										

OP \$40.00 12595755

Total Attachments: 12

source=executedassignment#page1.tif

source=executedassignment#page2.tif

source=executedassignment#page3.tif

source=executedassignment#page4.tif

source=executedassignment#page5.tif

source=executedassignment#page6.tif

source=executedassignment#page7.tif

source=executedassignment#page8.tif

source=executedassignment#page9.tif

source=executedassignment#page10.tif

source=executedassignment#page11.tif

source=executedassignment#page12.tif

DOCKET NO.: T4334 and U4579

PATENT  
Multiple Inventors  
(Pending Application;  
Application No. 12/595,755)

ASSIGNMENT

WHEREAS, We Joel Kaplan, Jay N. Zemel and Barbard Medoff-Cooper, residing at 523 South Melville Street, Philadelphia, PA 19143, residing at 223 Meetinghouse Road, Jenkintown, PA 19046, residing at 334 Kent Road, Bala Cynwyd, PA 19004 hereinafter referred to as the "assignors" are the inventors of certain inventions or improvements for which we have made application for Letters Patent of the United States, identified as Application No. 12/595,755, filed October 13, 2009, entitled METHOD AND SYSTEM FOR EVALUATING FEEDING PERFORMANCE OF INDIVIDUAL NEONATES; and

WHEREAS, The Trustees Of The University Of Pennsylvania hereinafter referred to as the assignee, of 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, a university of higher education in Pennsylvania, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said patent application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, we, the said assignors, have sold, assigned, transferred and set over, effective as of the earliest date listed below, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said patent application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said patent application, said corresponding patent application(s) and said Letters Patent to said assignee, its successors,

assigns, nominees or legal representatives, and we agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said patent application, said corresponding patent application(s) and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on any applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any corresponding patent application(s) aforesaid, in accordance with the terms of this assignment.

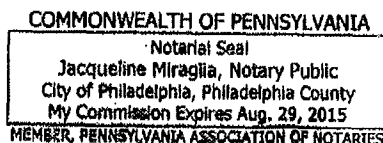
This Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. IN WITNESS WHEREOF, we have hereunto set our hand and seal.

Aug 13, 2012 Joel Kaplan (I.S.)  
Date Joel Kaplan

STATE OF Pennsylvania :  
COUNTY OF Philadelphia : SS

On this 13<sup>th</sup> day of August, year of 2012, before me personally came the above named Joel Kaplan to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Jacqueline Miraglia  
Notary Public



DOCKET NO.: T4334 and U4579

- 3 -

PATENT  
Multiple Inventors

\_\_\_\_\_  
Date Jay N. Zemel (L.S.)

STATE OF \_\_\_\_\_:  
: SS  
COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, year of \_\_\_\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

DOCKET NO.: T4334 and U4579

- 4 -

PATENT  
Multiple Inventors

\_\_\_\_\_  
Date **Barbara Medoff-Cooper** (L.S.)

STATE OF \_\_\_\_\_ :  
\_\_\_\_\_ : SS  
COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, year of \_\_\_\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

PATENT  
REEL: 030454 FRAME: 0654

DOCKET NO.: T4334 and U4579

PATENT  
Multiple Inventors  
(Pending Application;  
Application No. 12/595,755)

ASSIGNMENT

WHEREAS, We Joel Kaplan, Jay N. Zemel and Barbard Medoff-Cooper, residing at 523 South Melville Street; Philadelphia, PA 19143, residing at 223 Meetinghouse Road; Jenkintown, PA 19046, residing at 334 Kent Road; Bala Cynwyd, PA 19004 hereinafter referred to as the "assignors" are the inventors of certain inventions or improvements for which we have made application for Letters Patent of the United States, identified as Application No. 12/595,755, filed October 13, 2009, entitled METHOD AND SYSTEM FOR EVALUATING FEEDING PERFORMANCE OF INDIVIDUAL NEONATES; and

WHEREAS, The Trustees Of The University Of Pennsylvania hereinafter referred to as the assignee, of 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, a university of higher education in Pennsylvania, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said patent application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, we, the said assignors, have sold, assigned, transferred and set over, effective as of the earliest date listed below, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said patent application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said patent application, said corresponding patent application(s) and said Letters Patent to said assignee, its successors,

PATENT  
REEL: 030454 FRAME: 0655

assigns, nominees or legal representatives, and we agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said patent application, said corresponding patent application(s) and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on any applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any corresponding patent application(s) aforesaid, in accordance with the terms of this assignment.

This Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. IN WITNESS WHEREOF, we have hereunto set our hand and seal.

\_\_\_\_\_  
Date Joel Kaplan (L.S.)

STATE OF \_\_\_\_\_ :  
\_\_\_\_\_ : SS  
COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, year of \_\_\_\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public



DOCKET NO.: T4334 and U4579

- 3 -

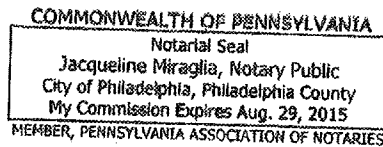
PATENT  
Multiple Inventors

06/04/2012  
Date Jay N. Zemel (L.S.)

STATE OF Pennsylvania  
COUNTY OF Philadelphia : SS

On this 4th day of June, year of 2012, before me personally came the  
above named Jay N. Zemel to me personally known and known to me  
to be the same individual who executed the foregoing assignment, and who acknowledged to  
me that execution of the same was of that person's own free will for the use and purposes  
therein set forth.

Jacqueline Miraglia  
Notary Public



PATENT  
REEL: 030454 FRAME: 0657

DOCKET NO.: T4334 and U4579

- 4 -

PATENT  
Multiple Inventors

\_\_\_\_\_  
Date **Barbara Medoff-Cooper** (L.S.)

STATE OF \_\_\_\_\_ :  
: SS  
COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, year of \_\_\_\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

PATENT  
REEL: 030454 FRAME: 0658

DOCKET NO.: T4334 and U4579

PATENT  
Multiple Inventors  
(Pending Application;  
Application No. 12/595,755)

ASSIGNMENT

WHEREAS, We Joel Kaplan, Jay N. Zemel and Barbard Medoff-Cooper, residing at 523 South Melville Street; Philadelphia, PA 19143, residing at 223 Meetinghouse Road; Jenkintown, PA 19046, residing at 334 Kent Road; Bala Cynwyd, PA 19004 hereinafter referred to as the "assignors" are the inventors of certain inventions or improvements for which we have made application for Letters Patent of the United States, identified as Application No. 12/595,755, filed October 13, 2009, entitled METHOD AND SYSTEM FOR EVALUATING FEEDING PERFORMANCE OF INDIVIDUAL NEONATES; and

WHEREAS, The Trustees Of The University Of Pennsylvania hereinafter referred to as the assignee, of 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, a university of higher education in Pennsylvania, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said patent application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, we, the said assignors, have sold, assigned, transferred and set over, effective as of the earliest date listed below, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said patent application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said patent application, said corresponding patent application(s) and said Letters Patent to said assignee, its successors,



DOCKET NO.: T4334 and U4579

- 3 -

PATENT  
Multiple Inventors

\_\_\_\_\_  
Date Jay N. Zemel (L.S.)

STATE OF \_\_\_\_\_ :  
: SS  
COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, year of \_\_\_, before me personally came the  
above named \_\_\_\_\_ to me personally known and known to me  
to be the same individual who executed the foregoing assignment, and who acknowledged to  
me that execution of the same was of that person's own free will for the use and purposes  
therein set forth.

\_\_\_\_\_  
Notary Public

PATENT  
REEL: 030454 FRAME: 0661

DOCKET NO.: T4334 and U4579

- 4 -

PATENT  
Multiple Inventors

May 30, 2012  
Date

Barbara Medoff-Cooper (L.S.)  
Barbara Medoff-Cooper

STATE OF PENNSYLVANIA :  
COUNTY OF Philadelphia : SS

On this 30<sup>th</sup> day of MAY, year of 2012, before me personally came the above named Barbara Medoff-Cooper to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Sylvia V. English  
Notary Public

